

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u> SPI	<u>PROCEDURE NAME</u> VOR RWY 22	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> SPRINGFIELD	<u>STATE</u> IL
<u>AIRPORT ELEVATION</u> 598	<u>TDZE</u> 598	<u>SUPERSEDED</u> VOR/DME RWY 22	<u>DATED</u> 08/13/2020	<u>MAG VAR</u> 1W
<u>FACILITY</u> SPI	<u>COORDINATES OF FACILITIES</u> 395023.04N/0894039.85W	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2005
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
SPI VORTAC		CAYAC/6.43 DME					035.07	6.43	2400

MISSED APPROACH

MAP:

HEKOL/0.94 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2400 ON SPI VORTAC R-215 THEN RIGHT TURN DIRECT SPI VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. **PT** L **SIDE OF COURSE** 035.07 **OUTBOUND** 2400 **FT WITHIN** 10 **MILES OF** CAYAC/6.43 DME (IAF)
- 2.
3. **FAC:** 215.07 **FAF:** CAYAC/6.43 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:** 5.49
4. **MIN ALT:** CAYAC/6.43 DME 2400
8. **MSA FROM:** SPI VORTAC 180-360 2700, 360-180 3100



EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: VDP NA WHEN USING AAA ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AAA ALTIMETER SETTING: INCREASE ALL MDA 60 FEET AND S-22 VISIBILITY CAT C/D 1/4 SM, AND CIRCLING CAT C/D VISIBILITY 1/4 SM.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-22 CAT C/D VISIBILITY TO 1 3/8 SM.
CHART NOTE: FOR INOPERATIVE ALS WHEN USING AAA ALTIMETER SETTING, INCREASE S-22 CAT C/D VISIBILITY TO 1 5/8 SM.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SPINNER VORTAC AIRWAY RADIALS 314 CW 082.

ADDITIONAL FLIGHT DATA:

CHART: ASR
HOLD SW, RT, 036.00 INBOUND.
FAS OBST: 804 AAO 395442N/0893806W.
CHART VDP AT 2.34 DME.
DISTANCE VDP TO THLD 1.40 NM.
FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.
CAYAC TO RW22: 3.00/54.
CHART CIRCLING ICON.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E			
	FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-22	1100	1/2	502	1100	1/2	502	1100	1	502	1100	1	502				
CIRCLING	1100	1	502	1100	1	502	1360	2 1/4	762	1380	2 1/2	782				

CHANGES - REASONS

1. CHANGED PROCEDURE NAME FROM "VOR/DME RWY 22" TO "VOR RWY 22" – CURRENT DOCUMENTATION STANDARDS.
2. TERMINAL ROUTES: CHANGED "5.72 DME, 036.00/5.72, 2200" TO 6.43 DME, 035.07, 6.43, 2400" – FAF MOVED N 4345.75 FEET, PER ATC REQUEST.
3. MISSED APPROACH: CHANGED "CLIMB TO 2200 VIA SPI R-216 THEN RIGHT TURN DIRECT SPI VORTAC AND HOLD" TO "CLIMB TO 2400 ON SPI VORTAC R-215 THEN RIGHT TURN DIRECT SPI VORTAC AND HOLD" – PER ATC REQUEST.
4. PROFILE LINE 1: CHANGED "036.0, 2200, CAYAC" TO "035.07, 2400, CAYAC/SPI 5.72 DME" – FAF MOVED N 4345.75 FEET, PER ATC REQUEST.
5. PROFILE LINE 3: CHANGED "216, CAYAC, 4.78" TO "215.07, CAYAC/6.43 DME, 5.49" - FAF MOVED N 4345.75 FEET, COURSE AND DME FROM SPINNER VORTAC.
6. PROFILE LINE 6: "CAYAC 220" TO "CAYAC/6.43 DME 2400" - COURSE AND DME FROM SPINNER VORTAC, PER ATC REQUEST.
7. PROFILE LINE 8: CHANGED "SPI VORTAC 360-180 3100, 180-360 2700" TO "SPI VORTAC 3100" – NEW OBSTACLE EVALUATION.
8. CHANGED "VDP NA WHEN USING LOGAN COUNTY ALTIMETER SETTING" TO "CHART NOTE: VDP NA WHEN USING AAA ALTIMETER SETTING" – CURRENT DOCUMENTATION STANDARDS.
9. CHANGED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LINCOLN ALTIMETER SETTING: INCREASE ALL MDA 60 FEET AND S-13 AND CIRCLING CAT C AND D 1/4 SM" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AAA ALTIMETER SETTING: INCREASE ALL MDA 60 FEET AND S-22 VISIBILITY CAT C/D 1/4 SM, AND CIRCLING CAT C/D VISIBILITY 1/4 SM" – CURRENT DOCUMENTATION STANDARDS.
10. CHANGED "FOR INOPERATIVE MALSR, INCREASE S-22 CAT D VISIBILITY TO 1 ¼" TO "CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-22 CAT C/D VISIBILITY TO 1 3/8 SM" – NEW OBSTACLE EVALUATION.
11. ADDED "CHART NOTE: FOR INOPERATIVE ALS WHEN USING AAA ALTIMETER SETTING, INCREASE S-22 CAT C/D VISIBILITY TO 1 5/8 SM" – IAW 8260.19J, 8-6-120(3)D.
12. ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SPINNER VORTAC AIRWAY RADIALS 314 CW 082" – OUTSIDE OF 90 DEGREE ALIGNMENT CRITERIA.
13. ADDITIONAL FLIGHT DATA: CHANGED "CHART FAS OBST:710 TANK 395344N/0893716W" TO "FAS OBST: 804 AAO 395442N/0893806W" – NEW CONTROLLING OBSTACLE.
14. ADDITIONAL FLIGHT DATA: CHANGED "CHART VDP AT 1.90 DME AND DISTANCE VDP TO THLD 0.97 NM" TO "CHART VDP AT 2.34 DME AND DISTANCE VDP TO THLD 1.40 NM" - PROCEDURE RE-DESIGNED IAW 8260.3F.
15. ADDITIONAL FLIGHT DATA: CHANGED "FAC CROSSES RWY C/L EXTENDED 4220 FT FROM THLD" TO "FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD" - PROCEDURE RE-DESIGNED IAW 8260.3F.



7/16/2025: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 7/14/2025.
1. CHANGED PROCEDURE NAME FROM "VOR/DME RWY 22" TO "VOR RWY 22".

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

OTHER: SPI APP CON, SPI ATCT, ZKC, AMGR

FLIGHT CHECKED BY

MARC WEBBER

Digitally signed by
CASIMIR L TABAKA
Jul 14, 2025

OFFICE

AJF

DATE

07/10/2025

DEVELOPED BY

CASIMIR L. TABAKA (ROBERT A. SWINSON)

Digitally signed by
CASIMIR L TABAKA
Jul 14, 2025

OFFICE

AJV-A432

DATE

10/15/2024

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA
Jul 14, 2025

OFFICE

AJV-A432

DATE

TITLE
MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> SPI	<u>PROCEDURE NAME</u> VOR RWY 22	<u>AMDT NO.</u> 1	<u>CITY</u> SPRINGFIELD	<u>STATE</u> IL	<u>AIRPORT ELEVATION</u> 598	<u>FACILITY</u> SPI
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM SPI VORTAC	TO CAYAC/6.43 DME
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<u>RNP</u>	<u>DISTANCE</u> 6.43	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (17-063669)	394941.26N/0893539.99W	1046	20	3	1A	1000				AT354	2400
TERRAIN	395142.00N/0893618.00W	662 (700)								AS1500	2200

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

INTERMEDIATE: PT

FROM 10 NM	TO CAYAC/6.43 DME
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<u>RNP</u>	<u>DISTANCE</u> 10.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (17-068536)	400142.86N/0892443.23W	1061	250	50	4D	500				AT839	2400
TERRAIN	400057.00N/0892830.00W	770 (800)								AS1500	2300

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



AIRPORT ID
SPI

PROCEDURE NAME
VOR RWY 22

AMDT NO.
1

CITY
SPRINGFIELD

STATE
IL

AIRPORT ELEVATION
598

FACILITY
SPI

FINAL

FROM
CAYAC/6.43 DME

TO
HEKOL/0.94 DME

RNP

DISTANCE
5.50

PAT

MAP
HEKOL/0.94 DME

HAT
502

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	395442.00N/0893806.00W	804	215	8	4B	250				XP40	1100

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP-40: MAINTAIN CURRENTLY PUBLISHED MINIMUMS.

PROCEDURE TURN

FROM
CAYAC/6.43 DME

TO
10 NM

RNP

DISTANCE

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (17-074561)	400651.20N/0893118.77W	1269	250	50	4D	1000				AT131	2400
TERRAIN	400057.00N/0892830.00W	770 (800)								AS1500	2300

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
SPI

PROCEDURE NAME
VOR RWY 22

AMDT NO.
1

CITY
SPRINGFIELD

STATE
IL

AIRPORT ELEVATION
598

FACILITY
SPI

MISSED APPROACH

FROM
HEKOL/0.94 DME

TO
SPI VORTAC

RNP

DISTANCE

PAT

MAP

HAT

HMAS
850

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2400
BUILDING (17-000391)	394754.00N/0893917.00W	1000	50	50	2D	1000					2000
TERRAIN	394527.00N/0894533.00W	646 (600)								AS1500	2100

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY A											
CRANE (17-041318)	394901.01N/0894019.69W	1.30	502	731	20	3	1A	300		SI	1100
CATEGORY B											
TOWER (17-031393)	394932.00N/0893812.00W	1.83	502	741	250	50	4D	300		AC50	1100
CATEGORY C											
BUILDING (17-000391)	394754.00N/0893917.00W	2.87	762	1000	50	50	2D	300		AC50	1360
CATEGORY D											
TOWER (17-063669)	394941.26N/0893539.99W	3.75	782	1046	20	3	1A	300		XP34	1380

CIRCLING REMARKS:

XP-34: MAINTIAN CURRENTLY PUBLISHED MINIMUMS.



AIRPORT ID
SPI

PROCEDURE NAME
VOR RWY 22

AMDT NO.
1

CITY
SPRINGFIELD

STATE
IL

AIRPORT ELEVATION
598

FACILITY
SPI

MSA

CENTER
SPI VORTAC

RADIUS
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
180-360	TOWER (17-003090)	393609.17N/0900247.39W	231	22.2	1649	250	50	4D	1000			2700
360-180	TOWER (17-000148)	394816.10N/0892740.00W	103	10.2	2049	100	50	3D	1000			3100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



AIRPORT ID
SPI

PROCEDURE NAME
VOR RWY 22

AMDT NO.
1

CITY
SPRINGFIELD

STATE
IL

AIRPORT ELEVATION
598

FACILITY
SPI

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

SPI APP CON, SPI TOWER, ZKC ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	SPI	24	SPI	0	Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	AAA	24	AAA	24.61	Y	58

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
SPI 598, AAA 594
RA = 57.1.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
SPI VORTAC			

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW04 - MALSR (PCL), HIRL (PCL), VASI-4L	PIR-G	APPROACH
RW13 - HIRL (PCL), REIL (PCL), PAPI-4R	PIR-G	
RW22 - MALSR (PCL), HIRL (PCL), VASI-4L	PIR-G	ROLL OUT
RW31 - MALSR (PCL), HIRL (PCL), VASI-4L (PCL)	PIR-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
					3.00	54.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input type="checkbox"/>	3000FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION USED PER FPT.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	2.82
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.27
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	214.07
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	600
DISTANCE FROM	THLD	TO 1500FT POINT	10.79
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	214.07
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	800

THRESHOLD COORDINATES (IF STR-IN)

395111.94N/0894003.05W

ARP COORDINATES

395040.61N/0894039.17W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 22 DISTANCE 0.70 NM

FAF COORDINATES

395542.71N/0893558.96W

FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

NAME

CASIMIR L. TABAKA (ROBERT A. SWINSON)

OFFICE

AJV-A432

DATE

10/15/2024

TITLE

AERONAUTICAL INFORMATION SPECIALIST

